

## LXP-10A / 10B

LP-10A  
measuring probe



LP-10B  
measuring probe



## LXP-2

LP-1  
measuring probe



## Reliable illuminance measurements with the LXP series light meters

### Main features

- measurements in class A (LXP-10A)
- high resolution up to 0.001 lx
- highly accurate measurements
- measurements of all types of light sources including:
  - LEDs lamps,
  - incandescent lamps,
  - fluorescent lamps,
  - electrodeless lamps,
  - high and low-pressure lamps
- no need to using correction factors
- photodiodes with filters make the spectral sensitivity characteristics well matched to the requirements of C.I.E.

### Product functions

- data-hold for freezing measuring values
- automatic zeroing
- peak-hold for freezing the peak signal of light pulse
- capable of selecting measuring mode in Lux or FC scale
- MAX and MIN results save
- relative mode
- easy to read large backlit display
- USB connection with PC
- wireless connection (LXP-10A and LXP-10B)
- built-in memory: 99 points (LXP-2) or 999 points (LXP-10A and LXP-10B)
- 16 000 values records data logger
- auto power off



### LXP-2

Model for people making basic lighting measurements of indoor and outdoor workplaces. The device works with LP-1 measuring probe (class B) which allows to proceed with measurements in a reliable way. The non-integrated probe eliminates the influence of the user to the measurement result.



Measurement of workplaces

### LXP-10B

Model with resolution 0.01 lx allows to accurate lighting measurements in workplaces and emergency lighting in escape routes. It works with LP-10B measuring probe. The device has internal memory of 999 measurements and additional logger for recording data with a selectable sampling rate.



Measurement of emergency and evacuation lighting

### LXP-10A

Device of the highest class A thanks to cooperation with LP-10A measuring probe. Therefore it allows to make the most accurate measurements in industrial zones and public facilities. In addition, the instrument has the ability to wirelessly send data to Sonel Reader PC software.



Measurement of LED lighting

## Illumination measurement depending on used probe

The result may be displayed in lx or fc. Displaying fc results with reduced resolution due to the display limitations.

		Most accurate measurements	For emergency lighting	Basic workplaces measurement
		<b>LXP-10A</b>	<b>LXP-10B</b>	<b>LXP-2</b>
<b>probe</b>		LP-10A	LP-10B	LP-1
<b>class</b>		A	B	B
<b>measurement range</b>	<b>lx</b>	0.000...399.9k	0.00...399.9k	0.0...19.99k
	<b>fc</b>	0.000...39.99k	0.000...39.99k	0.0...1999
<b>resolution</b>	<b>lx</b>	0.001	0.01	0.1
	<b>fc</b>	0.001	0.001	0.01
<b>spectral uncertainty <math>f_1'</math></b>		< 2%	< 6%	< 6%
<b>cosine matching error <math>f_2</math></b>			± 3%	
<b>accuracy</b>		±(2% m.v. + 5 digits)	±(5% m.v. + 5 digits)	±(5% m.v. + 5 digits)
<b>number of ranges</b>		6	5	3
<b>memory</b>		999 points		99 points
<b>logger memory</b>		16 000 points		

## Technical specification

display	3¾ digits, LCD with 40-segment bar indicator
exceeding of range	"OL" symbol
spectral sensitivity	CIE photopic curve (CIE human eye sensitivity curve)
power supply	9 V battery or 8.4 V rechargeable battery
photodetector	one silicon photodiode and spectral curve filter
photodetector lead length	approx. 150 cm (60")
photodetector dimensions	15 × 60 × 20 mm (4.5" × 2.4" × 0.8")
meter dimensions	170 × 80 × 40 mm (6.7" × 3.1" × 1.6")
weight	390 g (0.86 lbs)
communication interface	USB and wireless
operational temperature	0...50°C (32...122°F)
operational relative humidity	0...80%
storage temperature	-20...+70°C (-4...+158°F)
storage relative humidity	0...70%

## Standard accessories



**LP-10A measuring probe (for LXP-10A)**  
WAADALP10A



**LP-10B measuring probe (for LXP-10B)**  
WAADALP10B



**LP-1 measuring probe (for LXP-2)**  
WAADALP1



**MINI-B 5 USB data transmission cable**  
WAPRZUSBMNIB5



**Sonel Reader PC software**  
WAPROREADER



**calibration certificate**

## Additional accessories



**Portable USB license for Sonel software**  
WAADAKEY1



**OR-1 USB wireless receiver**  
WAADAUSBOR1

